

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A time certification server, comprising:

a receiving section configured to receive, from a terminal apparatus, an issue request for a time certification code and terminal information relating to the terminal apparatus, the terminal information including position information of the terminal apparatus obtained by measuring a position of the terminal apparatus;

a temporal change information input section configured to input temporal change information;

a first code generating section configured to generate a first code by performing a hash function on ~~encoding~~ the temporal change information, and output the first code;

a second code generating section configured to generate a second code by performing a hash function ~~based~~ on the received terminal information and the first code, and output the second code;

a transmitting section configured to transmit to the terminal apparatus the second code as a time certification code;

a time certification code memory section configured to store the time certification code in correlation with time; and

a certification processing section configured to receive the time certification code from the terminal apparatus, search the time certification code memory section using the time certification code received to obtain time correlating with the time certification code, and output certification information based on the time obtained to the terminal apparatus.

Claim 2 (Previously Presented): The time certification server of claim 1, wherein the temporal change information includes weather information, and

the first code generating section is configured to hash the temporal change information including the weather information to generate the first code.

Claim 3 (Previously Presented): The time certification server of claim 1, wherein the terminal information includes terminal identification information of the terminal apparatus, and

the second code generating section is configured to hash the terminal information including the terminal identification information and the temporal change information to generate the second code.

Claim 4 (Canceled).

Claim 5 (Previously Presented): The time certification server of claim 1, wherein the terminal information includes location-dependent information unique to a location of the terminal apparatus, and

the second code generating section is configured to hash the terminal information including the location-dependent information and the temporal change information to generate the second code.

Claim 6 (Previously Presented): The time certification server of claim 1, wherein the terminal information includes terminal positioning information obtained by a Global Positioning System (GPS) satellite used to measure a position of the terminal apparatus, and positioning time information acquired from a satellite electronic clock of the GPS satellite; and

the time certification server further comprises:

a server electronic clock synchronized with the satellite electronic clock of the GPS satellite; and

a certification time recording section configured to store the positioning time information included in the terminal information and time information measured by the server electronic clock.

Claim 7 (Previously Presented): The time certification server of claim 1, wherein the terminal information includes a previously issued time certification code, the second code generating section is configured to generate the second code based on the terminal information including the time certification code and the temporal change information, and

the transmitting section is configured to transmit to the terminal apparatus the second code output from the second code generating section as a new time certification code.

Claim 8 (Previously Presented): The time certification server of claim 7, wherein the time certification code memory section is configured to store the previously issued time certification code and the new time certification code in correlation with each other in a traceable manner, and

the certification processing section, upon receipt of the time certification code from the terminal apparatus, is configured to retrieve from the time certification code memory section a time certification code that correlates with the time certification code received, and output to the terminal apparatus the certification information acquired from the time certification code retrieved.

Claim 9 (Previously Presented): The time certification server of claim 1, further comprising:

a condition checking section configured to detect whether information acquired from the terminal information meets a predetermined condition, and

a special code instruction section configured to instruct the second code generating section to add a special code indicating that the information acquired from the terminal information meets the predetermined condition when the condition checking section detects that the information acquired from the terminal information meets the predetermined condition.

Claim 10 (Previously Presented): The time certification server of claim 1, further comprising:

a condition checking section configured to detect whether information acquired from the terminal information meets a predetermined condition, and

an inhibiting section configured to inhibit the second code generating section from generating the second code when the condition checking section detects that the information acquired from the terminal information meets the predetermined condition.

Claim 11 (Previously Presented): The time certification server of claim 1, wherein the temporal change information input section is configured to be connected to a plurality of source devices, each providing the temporal change information, and select one of the plurality of source devices based on time.

Claim 12 (Previously Presented): The time certification server of claim 11, wherein the temporal change information input section is configured to select the one of the plurality of source devices at random.

Claims 13-14 (Canceled).

Claim 15 (Currently Amended): A time certification method performed by a time certification system including a terminal apparatus and a time certification server, comprising:

transmitting, from the terminal apparatus, an issue request for a time certification code and terminal information relating to the terminal apparatus to the time certification server, the terminal information including position information of the terminal apparatus obtained by measuring a position of the terminal apparatus;

receiving, at the time certification server, the issue request for the time certification code and the terminal information relating to the terminal;

inputting, at the time certification server, temporal change information from a source device that provides the temporal change information;

generating, at the time certification server, a first code by performing a hash function on encoding the temporal change information, and outputting the first code;

generating, at the time certification server, a second code by performing a hash function based on the terminal information and the first code, and outputting the second code;

transmitting, from the time certification server, the second code to the terminal apparatus as a time certification code;

storing, at the time certification server, the time certification code in a time certification code memory section in correlation with time;

transmitting, from the terminal apparatus, the time certification code to the time certification server and requesting time certification,

receiving, at the time certification server, the time certification code from the terminal apparatus; and

searching, at the time certification server, the time certification code memory section using the time certification code received to obtain time correlating with the time certification code, and outputting to the terminal apparatus the certification information based on the time obtained.

Claim 16 (Canceled).

Claim 17 (Previously Presented): The time certification method of claim 15, wherein the terminal information includes a previously issued time certification code, and the time certification server inputs from the terminal apparatus the terminal information including the previously issued time certification code, generates the second code based on the terminal information including the time certification code and the temporal change information, and transmits the second code to the terminal apparatus as a new time certification code.

Claim 18 (Previously Presented): The time certification method of claim 17, wherein the time certification code memory section stores the previously issued time certification code and the new time certification code in correlation with each other in a traceable manner, and

the time certification server, upon receipt of the time certification code from the terminal apparatus, retrieves from the time certification code memory section a time

certification code that correlates with the time certification code received sequentially, and outputs to the terminal apparatus certification information acquired from the time certification code retrieved.

Claim 19 (Previously Presented): The time certification method of claim 15, wherein the temporal change information is provided from a plurality of source devices, and the time certification server selects one of the plurality of source devices based on time.

Claim 20 (Currently Amended): A computer readable storage medium encoded with computer program instructions, which when executed by a computer, cause the computer to execute a method of time certification, comprising:

receiving from a terminal apparatus an issue request for a time certification code and terminal information relating to the terminal, the terminal information including position information of the terminal apparatus obtained by measuring a position of the terminal apparatus;

inputting temporal change information;

generating a first code by performing a hash function on ~~encoding~~ the temporal change information, and outputting the first code;

generating a second code by performing a hash function ~~based~~ on the received terminal information and the first code and outputting the second code;

transmitting the second code to the terminal apparatus as a time certification code;

storing the time certification code in correlation with time;

receiving the time certification code from the terminal apparatus;

retrieving the stored time certification code;

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acquiring time that correlates with the time certification code; and

outputting to the terminal apparatus certification information based on the time
acquired.